

Window	U.S. Patent and Trademark Office Randolph Building 401 Dulany Street Customer Service  Mail Stop PCT Alexandria, VA 22314	ATTORNEY DOCKET NO. 502963  CLIENT REF. NO. 03066  U.S. APPLICATION NO. <b>107527660</b>
<b>TRANSMITTAL LETTER TO THE UNITED STATES          DESIGNATED/ELECTED OFFICE (DO/EO/US)          CONCERNING A FILING UNDER 35 USC 371 AND 37 CFR 1.491</b>		
INTERNATIONAL APPLICATION NO. PCT/US04/23886	INTERNATIONAL FILING DATE July 23, 2004	PRIORITY DATE CLAIMED July 24, 2003
TITLE OF INVENTION COBALT FERRITE BASED MAGNETOSTRICTIVE MATERIALS FOR MAGNETIC STRESS SENSOR AND ACTUATOR APPLICATIONS		
APPLICANT(S) FOR DO/EO/US Iowa State University Research Foundation, Inc.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 USC 371 and 37 CFR 1.491.  2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 USC 371 and 37 CFR 1.491.  3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 USC 371(f)).  4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (PCT Article 31).  5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 USC 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).  6. <input type="checkbox"/> An English language translation of the International Application as filed (35 USC 371(c)(2)).  7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 USC 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made.  8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 USC 371(c)(3)).  9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 USC 371(c)(4)).  10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 USC 371(c)(5)).  11. Nucleotide and/or Amino Acid Sequence Submission a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper Copy c. <input type="checkbox"/> Statement verifying identity of above copies		
<b>Items 12 to 19 below concern other document(s) or information included:</b>		
12. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <input type="checkbox"/> Form PTO-1449 <input type="checkbox"/> Copies of References (except for U.S. patents and applications)  13. <input type="checkbox"/> An assignment for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.  14. <input type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.  15. <input type="checkbox"/> A substitute specification.  16. <input type="checkbox"/> A change of power of attorney and/or address letter.  17. <input checked="" type="checkbox"/> Application Data Sheet Under 37 CFR 1.76  18. <input checked="" type="checkbox"/> Return Receipt Postcard  19. <input type="checkbox"/> Other items or information:		

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20. The following fees are submitted:					CALCULATIONS	PTO USE ONLY
<input checked="" type="checkbox"/> <b>National Stage Filing Fee</b>					\$300.00	
<b>Search Fee</b>					\$100.00	
<input checked="" type="checkbox"/> USPTO was ISA		\$100.00				
<input type="checkbox"/> Search report provided to USPTO by other entity		\$400.00				
<input type="checkbox"/> All other situations		\$500.00				
<b>Examination Fee</b>					\$100.00	
<input checked="" type="checkbox"/> US was IPEA and all claims satisfy PCT Article 33(1)-(4)		\$100.00				
<input type="checkbox"/> All other situations		\$200.00				
<b>ENTER APPROPRIATE BASIC FEE AMOUNT=</b>					\$500.00	
<input type="checkbox"/> <b>Claim Fee</b>						
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			
Total Claims	14	-20=	x \$ 50.00		\$	
Independent Claims	1	- 3 =	x \$200.00		\$	
<input type="checkbox"/> <b>Multiple Dependent Claim(s) (if applicable)</b>			+\$360.00		\$	
<input type="checkbox"/> <b>Application Size Fee</b> (\$250 for each additional 50 sheets over 100)					\$	
<input type="checkbox"/> <b>Surcharge</b> of \$130.00 for furnishing the National fee or oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date.					\$	
<b>TOTAL OF ABOVE CALCULATIONS=</b>					\$0.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.					\$(250.00)	
<b>SUBTOTAL=</b>					\$250.00	
<input type="checkbox"/> Processing fee of \$130.00 for furnishing English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date.					\$	
<b>TOTAL NATIONAL FEE=</b>					\$250.00	
<input type="checkbox"/> Fee for recording the enclosed assignment. The assignment must be accompanied by an appropriate cover sheet. \$40.00 per property.					+	\$
<b>TOTAL FEE=</b>					\$250.00	
					Amount to be: refunded	\$
					charged:	\$

a. ☐ No fee is believed to be due.b. ☒ Please charge Deposit Account No. 12-1216 the total fee indicated above.c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 12-1216. A duplicate copy of this sheet is enclosed.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO CUSTOMER NO.  
23626:

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 Date: March 11, 2005

CERTIFICATION UNDER 37 CFR 1.10

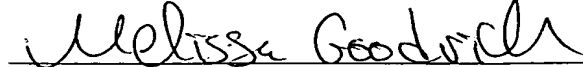
"Express Mail" Label Number: EV 529749085 US

Date of Deposit: March 11, 2005

I hereby certify that this transmittal document with respect to the U.S. national phase of the above-referenced International Patent Application, including all of the items listed thereon as enclosures, is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Melissa Goodrich

Printed Name of Person Signing:

  
Signature